

Claims:**1. A sink comprising:**

a separation vessel into which wastewater flows, therein separating oil content from said wastewater based on the difference in specific gravity between said oil content and water;

a water storage vessel forming a letter U-shaped passage as a whole together with said separation vessel and storing said wastewater sent from said separation vessel up to a predetermined water level;

a draining means to make flooding water from said water storage vessel flow out; and

an open/close means for recovering said separated oil content floating, inside said separation vessel, at space corresponding to said predetermined water level.

2. The sink as claimed in Claim 1,

wherein said draining means has a structure with a buffer vessel, which is formed between said separation vessel and said water storage vessel, for buffering a stream of said flooding water,.

3. The sink as claimed in Claim 1,

wherein said separation vessel and said water storage vessel are adjacent each other with a common partition member for forming said letter U-shaped passage, and said draining means has a structure with an inlet formed at position of said predetermined water level on a circumferential side wall of said water storage vessel and a pipe-shaped member formed

out so as to connect said inlet and outside of said water storage vessel.

4. The sink as claimed in Claim 1,

wherein said separation vessel and said water storage vessel are adjacent each other with a common partition member for forming said letter U-shaped passage, and said draining means has a structure with an inlet formed at position of said predetermined water level within said water storage vessel and a pipe-shaped member formed therein so as to connect said inlet and outside of said water storage vessel.

Amended Claims receipt by WIPO on January 27, 2004 (27.01.2004):
Claim 1 at the first filing has been amended; no amendment for other claims (page 1)

1. (After amendment) A sink comprising:

a separation vessel into which wastewater flows, therein separating oil content from said wastewater based on the difference in specific gravity between said oil content and water;

a water storage vessel forming a letter U-shaped passage as a whole together with said separation vessel and storing said wastewater sent from said separation vessel up to a predetermined water level;

a draining means to make flooding water from said water storage vessel flow out; and

an open/close means provided at the side of said separation vessel for recovering said separated oil content floating, inside said separation

vessel, at space corresponding to said predetermined water level.

2. The sink as claimed in Claim 1,

wherein said draining means has a structure with a buffer vessel, which is formed between said separation vessel and said water storage vessel, for buffering a stream of said flooding water,.

3. The sink as claimed in Claim 1,

wherein said separation vessel and said water storage vessel are adjacent each other with a common partition member for forming said letter U-shaped passage, and said draining means has a structure with an inlet formed at position of said predetermined water level on a circumferential side wall of said water storage vessel and a pipe-shaped member formed out so as to connect said inlet and outside of said water storage vessel.

4. The sink as claimed in Claim 1,

wherein said separation vessel and said water storage vessel are adjacent each other with a common partition member for forming said letter U-shaped passage, and said draining means has a structure with an inlet formed at position of said predetermined water level within said water storage vessel and a pipe-shaped member formed therein so as to connect said inlet and outside of said water storage vessel.